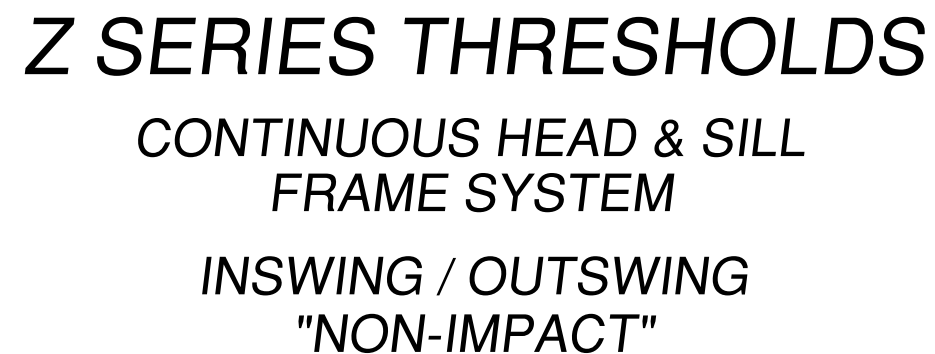
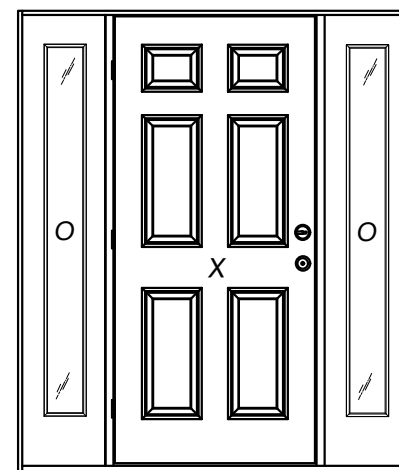




1. This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. This product has been tested and is approved for use in the door panels as specified in this approval. Substitution into a similar product that possess a comparable current Florida Statewide product approval may be approved for use by the local Authority Having Jurisdiction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical Elevation & General Notes
2	Z Series Threshold Details & Design Pressures
3	Door Panel Details
4	Sidelite Panel Details
5	Elevations
6	Vertical Cross Sections
7	Horizontal Cross Sections
8	Buck Anchoring
9	Frame Anchoring & Hardware Details
10	Bill of Materials & Components

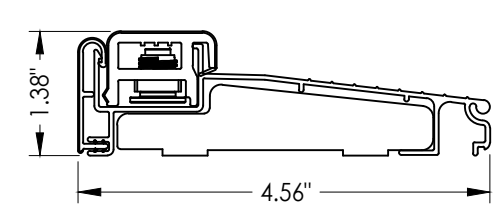


THERMA-TRU OPAQUE FIBERGLASS SINGLE DOOR w/ SIDELITE(S)

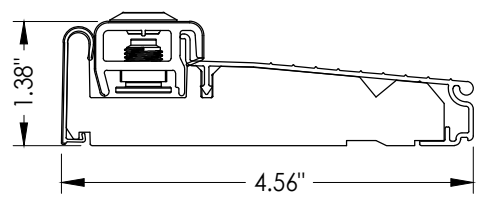
This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

PRODUCT: ENDURA		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409							
PART OR ASSEMBLY: TYPICAL ELEVATION & GENERAL NOTES		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813							
			4	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS		
			3	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS		
			2	8/06/20	UPDATE TO 7th ED. (2020)	FBC	DAC		
			1	12/13/17	REVISE FRAME ANCHORING		LFS		
			NO.	DATE			BY		
					REVISIONS				
DATE: 5/26/16									
SCALE: N.T.S.									
DWG. BY: JK									
CHK. BY: LFS									
DRAWING NO.: FL-20698.17									
SHEET 1 OF 10									

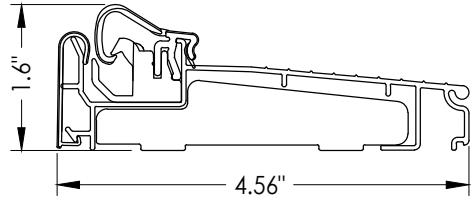
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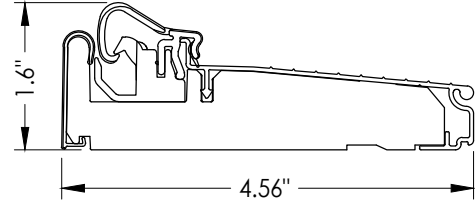
T1 INSWING ADJUSTABLE THRESHOLD
ZAIL4565



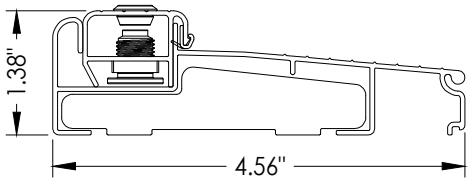
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ZAI4565FN



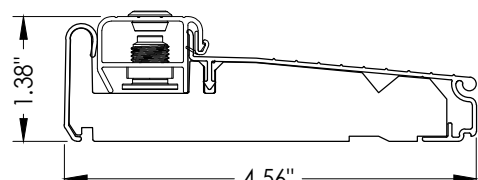
T6 INSWING ARTICULATING THRESHOLD
ZACL4565



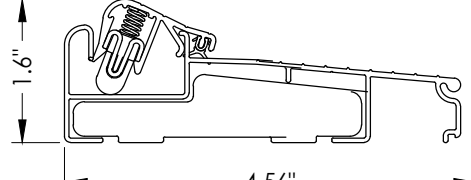
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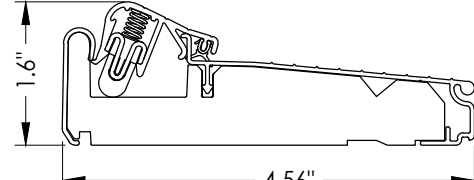
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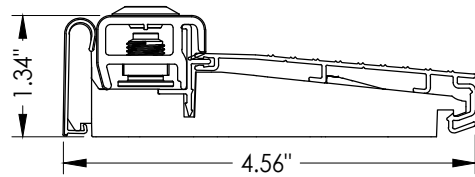
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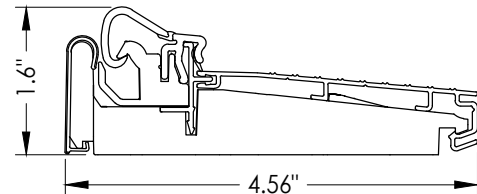
T8 INSWING ARTICULATING THRESHOLD
ZACLAA4565



T9 INSWING ARTICULATING THRESHOLD
ZACAA4565FN



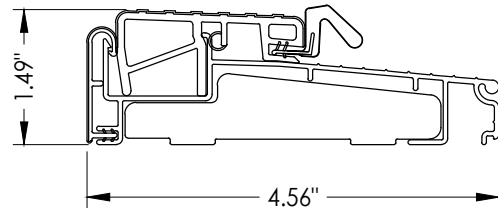
T5 INSWING ADJUSTABLE THRESHOLD
ZAI4565RDS



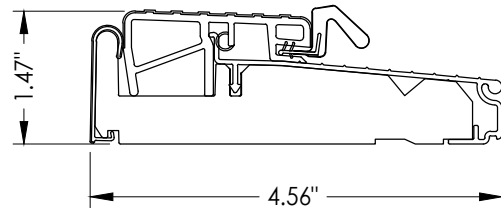
T10 INSWING ARTICULATING THRESHOLD
ZAC4565RDS

INSWING ADJUSTABLE THRESHOLD				
DOOR PANEL	CONFIGURATION	MAXIMUM FRAME SIZE	DESIGN PRESSURE RATING (PSF)	
			POSITIVE	NEGATIVE
THERMA-TRU OPAQUE FIBERGLASS	OX / XO	53.38" X 81.94"	+75.0	-80.0
	OXO	68.97" X 81.94"		

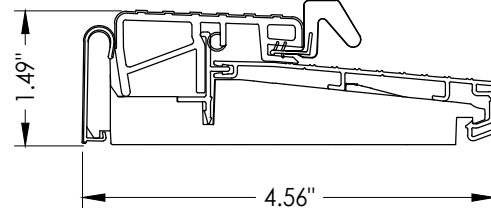
INSWING ARTICULATING THRESHOLD				
DOOR PANEL	CONFIGURATION	MAXIMUM FRAME SIZE	DESIGN PRESSURE RATING (PSF)	
			POSITIVE	NEGATIVE
THERMA-TRU OPAQUE FIBERGLASS	OX / XO	53.38" X 81.94"	+75.0	-80.0
	OXO	68.97" X 81.94"		



T11 OUTSWING THRESHOLD
ZOBL4565



T12 OUTSWING THRESHOLD
ZOB4565FN



T13 OUTSWING THRESHOLD
ZOB4565RDS

OUTSWING FIXED BUMPER THRESHOLD				
DOOR PANEL	CONFIGURATION	MAXIMUM FRAME SIZE	DESIGN PRESSURE RATING (PSF)	
			POSITIVE	NEGATIVE
THERMA-TRU OPAQUE FIBERGLASS	OX / XO	53.38" X 81.13"	+65.0	-65.0
	OXO	68.97" X 81.13"		

OUTSWING FIXED BUMPER THRESHOLD (RDS)				
DOOR PANEL	CONFIGURATION	MAXIMUM FRAME SIZE	DESIGN PRESSURE RATING (PSF)	
			POSITIVE	NEGATIVE
THERMA-TRU OPAQUE FIBERGLASS	OX / XO	53.38" X 81.13"	+55.0	-60.0
	OXO	68.97" X 81.13"		

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: ENDURA

PART OR ASSEMBLY:
Z SERIES THRESHOLD DETAILS
& DESIGN PRESSURES

NO.	DATE	REVISIONS
4	7/02/26	UPDATE TO 9TH ED. (2026) FBC LFS
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2	8/06/20	UPDATE TO 7th ED. (2020) FBC DAC
1	12/13/17	REVISE FRAME ANCHORING LFS

DATE: 5/26/16

SCALE: N.T.S.

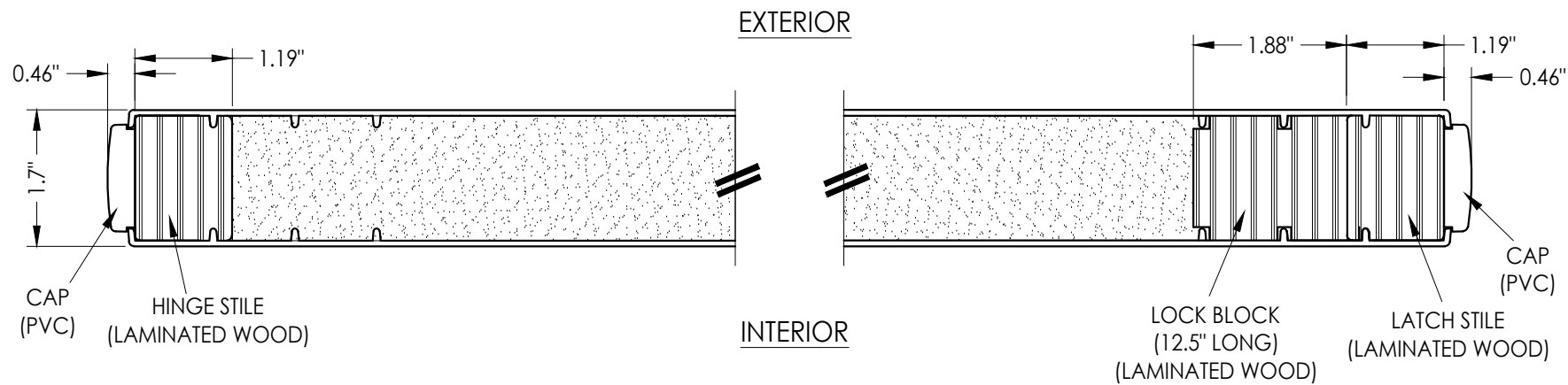
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CHK. BY: LFS

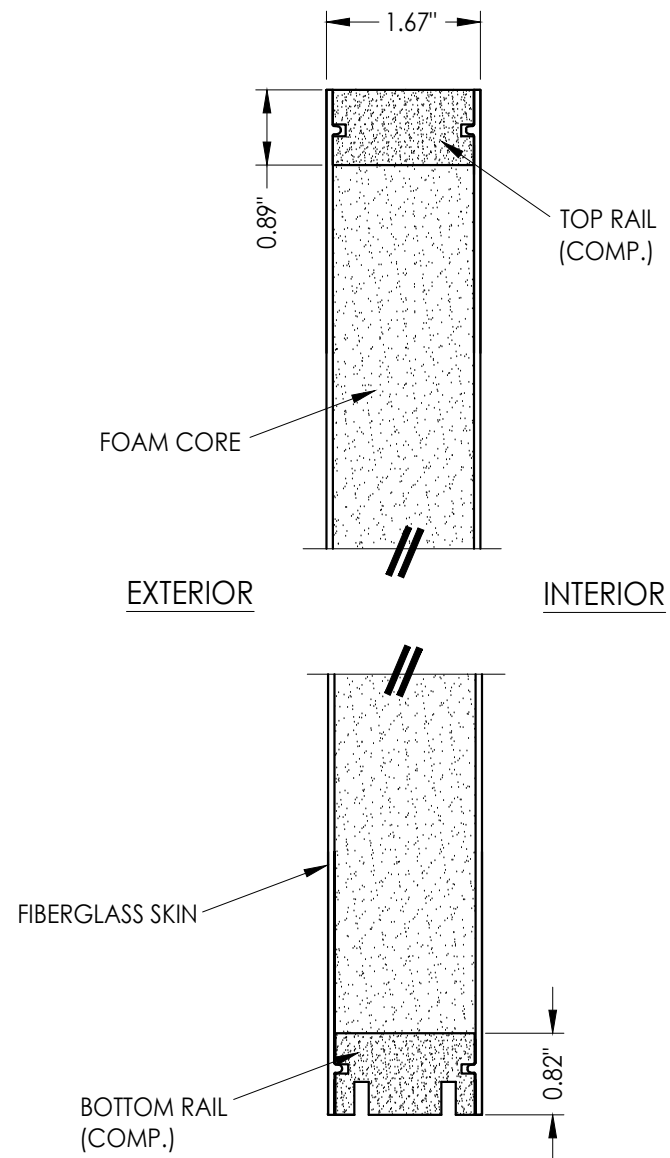
DRAWING NO.: FL-20698.17

SHEET 2 OF 10

DOOR SKIN: FIBERGLASS (0.075" MIN. THICKNESS)
CORE MATERIAL: POLYURETHANE FOAM



1 **HORIZONTAL CROSS SECTION**
3



2 VERTICAL CROSS SECTION

HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)	

4	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
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2	8/06/20	UPDATE TO 7th ED. (2020)	FBC	DAC	
1	12/13/17	REVISE FRAME ANCHORING		LFS	
NO.	DATE			BY	
				REVISIONS	

DATE: 5/26/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

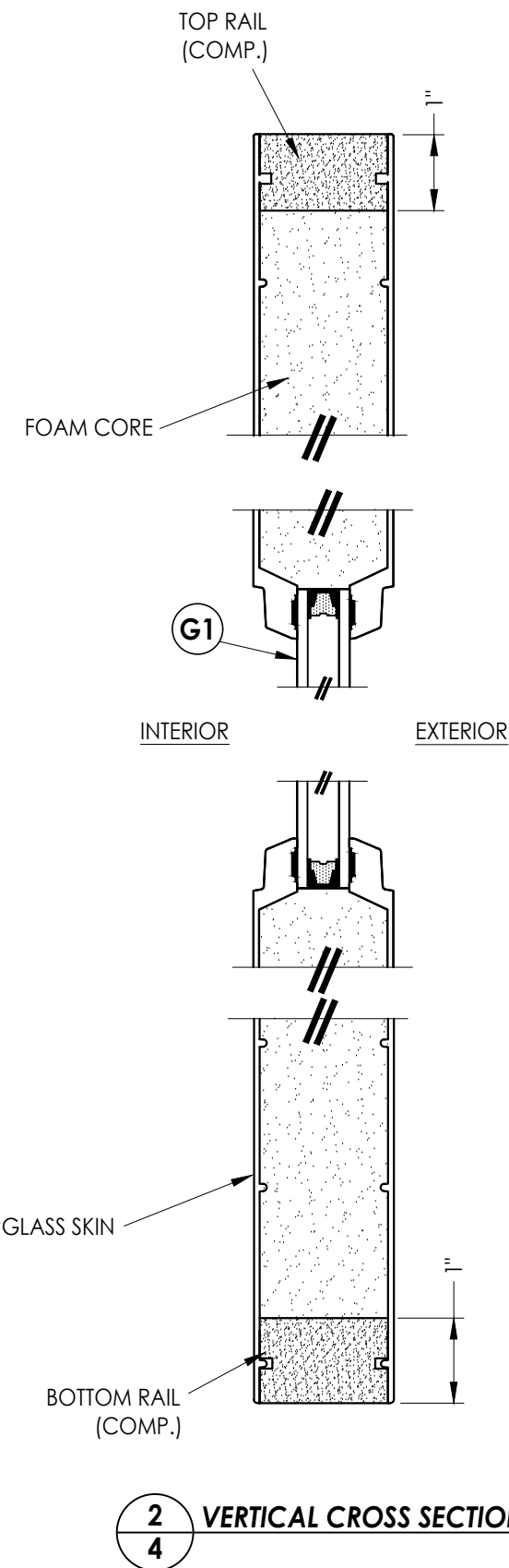
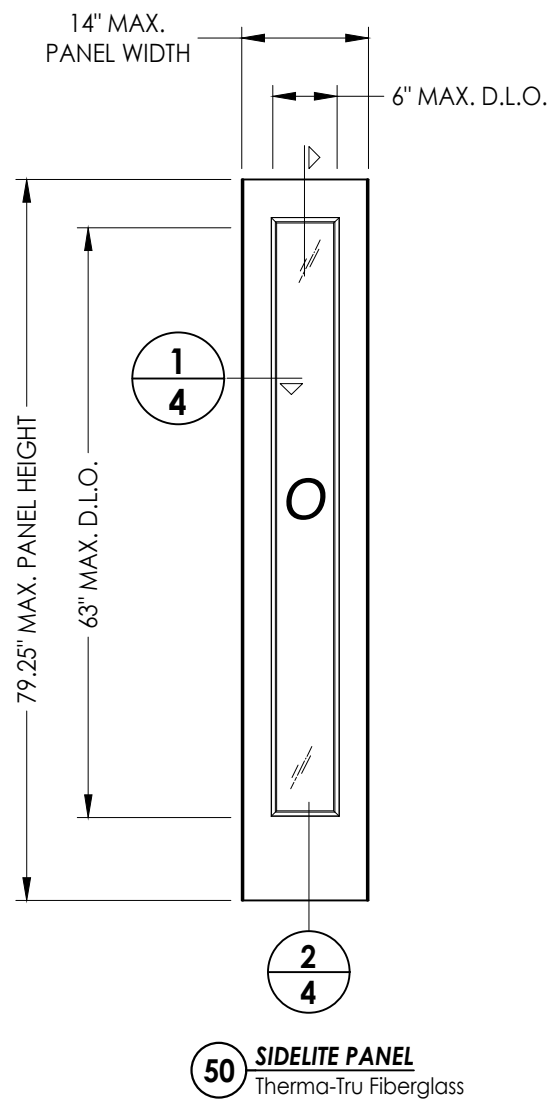
FL-20698.17

SHEET 3 OF 10

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

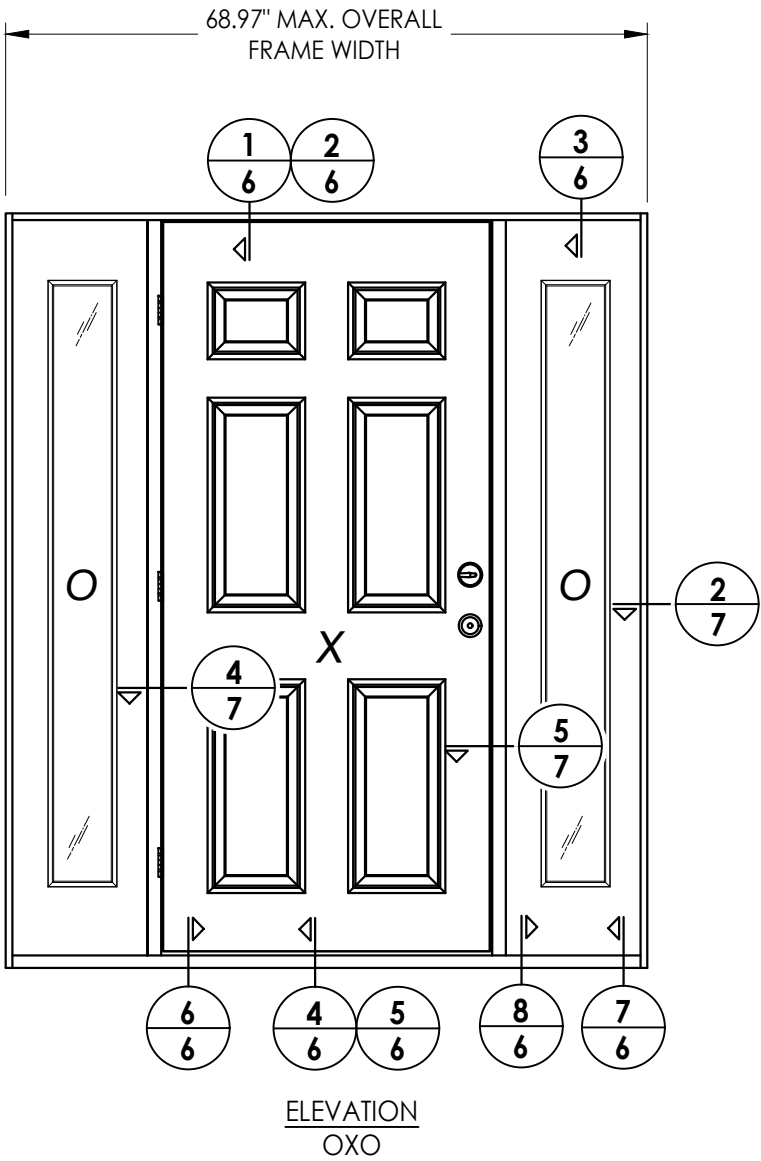
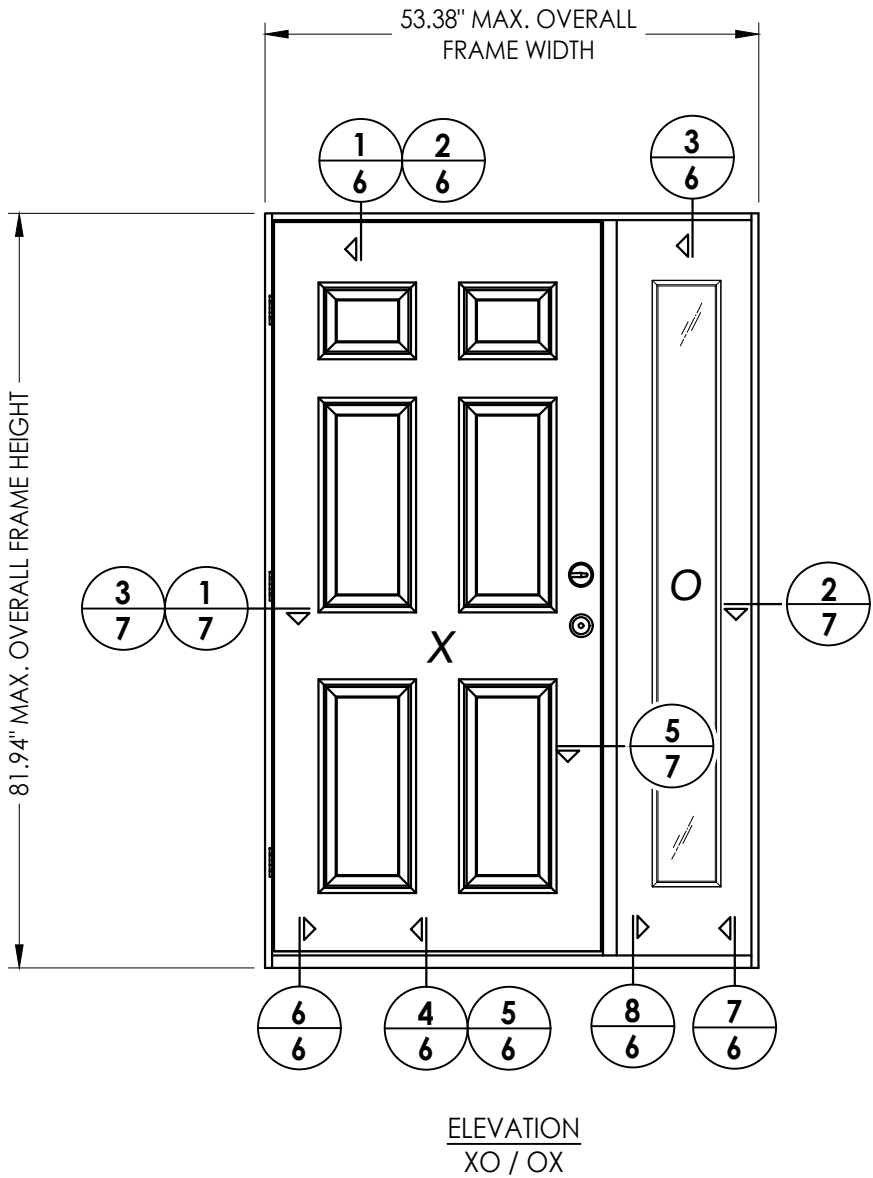
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FBPE Registry No. 9813

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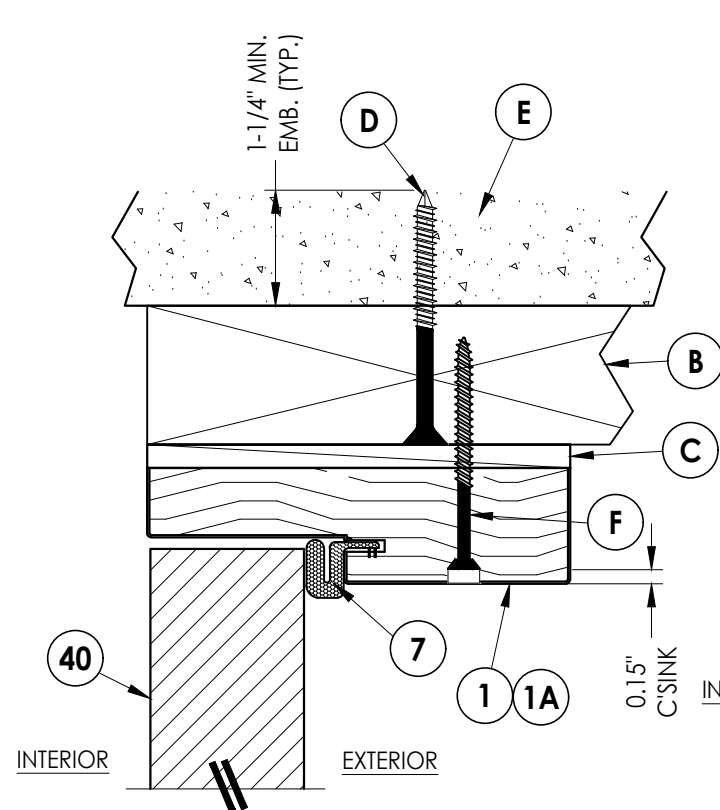
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CHK. BY: LFS	
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SHEET 5	OF 10

NO.	DATE	REVISIONS
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1	12/13/17	REVISE FRAME ANCHORING LFS

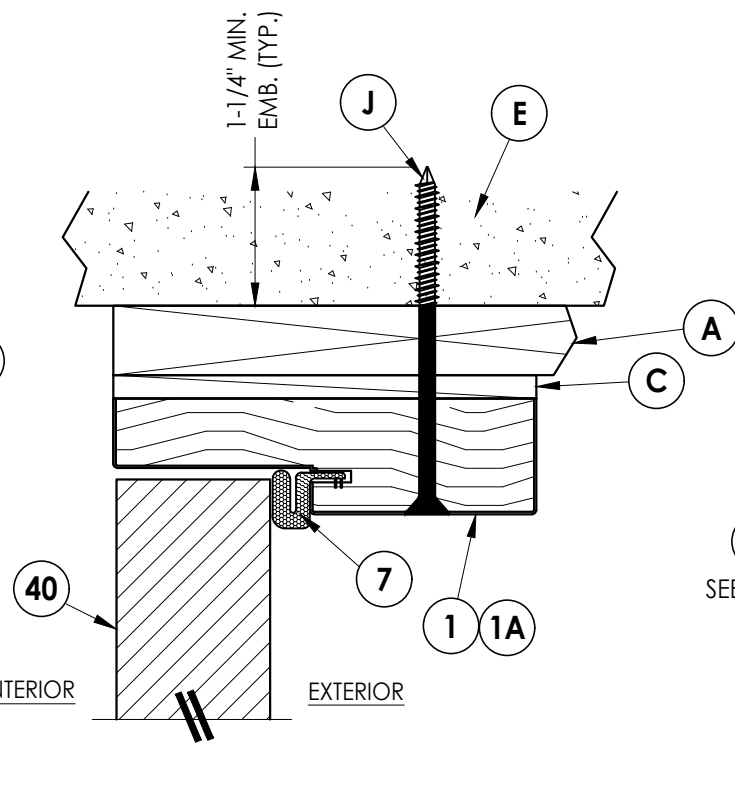
PRODUCT: ENDURA	PART OR ASSEMBLY: ELEVATIONS
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Lyndon F. Schmidt
P.E. No. 43409

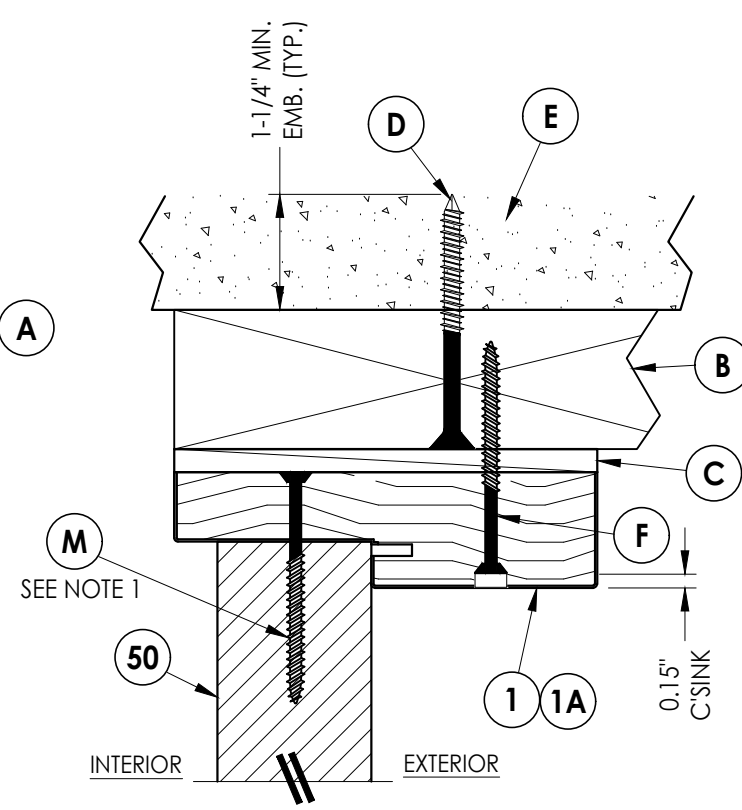
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



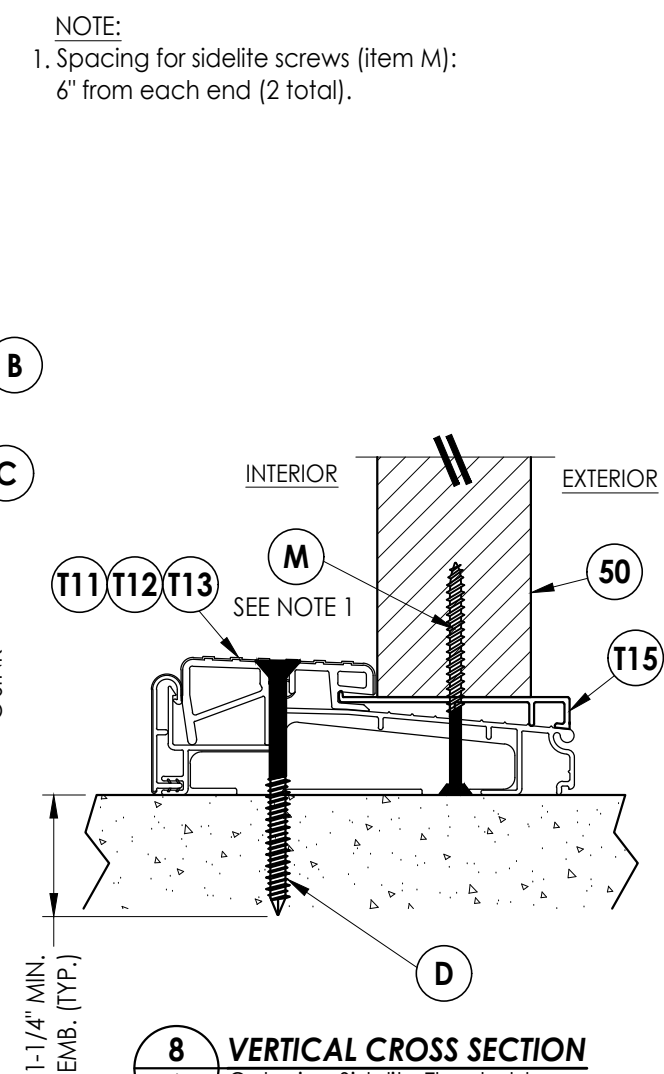
1 **VERTICAL CROSS SECTION**
6 Inswing shown (Outswing similar)
 2X Buck Construction



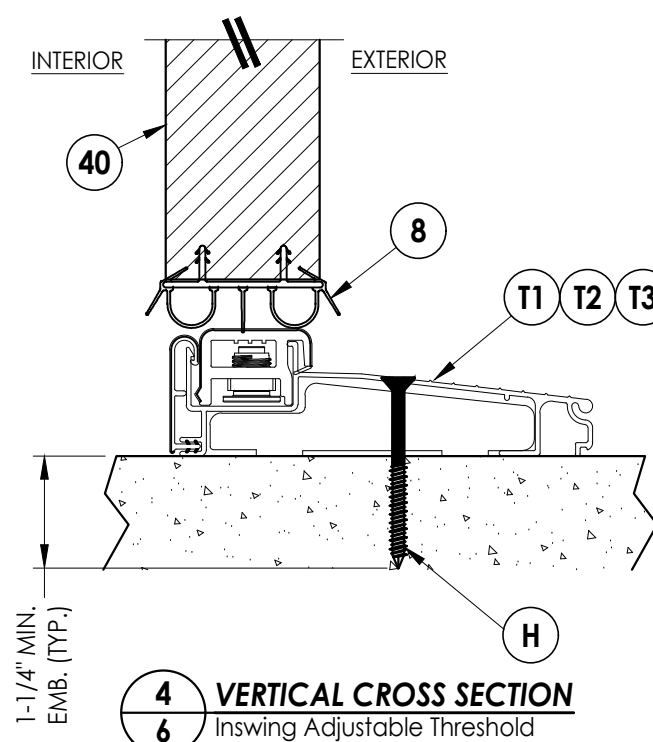
2 **VERTICAL CROSS SECTION**
6 Inswing shown (Outswing similar)
 1X Buck Construction



3 **VERTICAL CROSS SECTION**
6 Inswing shown (Outswing similar)
 2X Buck Construction

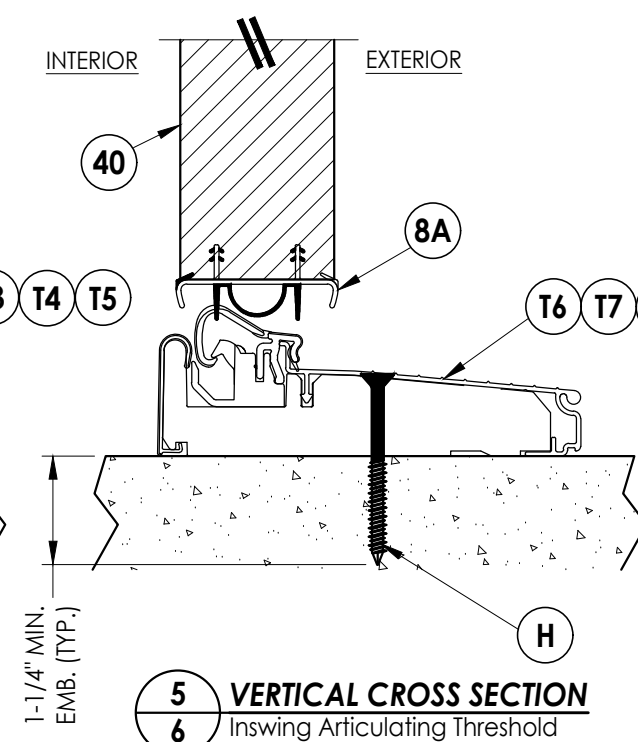


8 **VERTICAL CROSS SECTION**
6 Outswing Sidelite Threshold



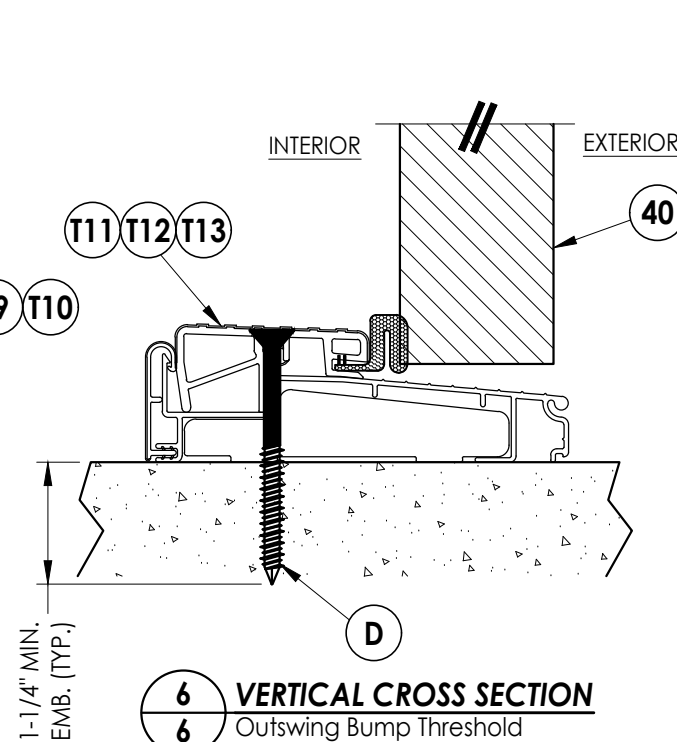
4 VERTICAL CROSS SECTION

6 Inswing Adjustable Threshold

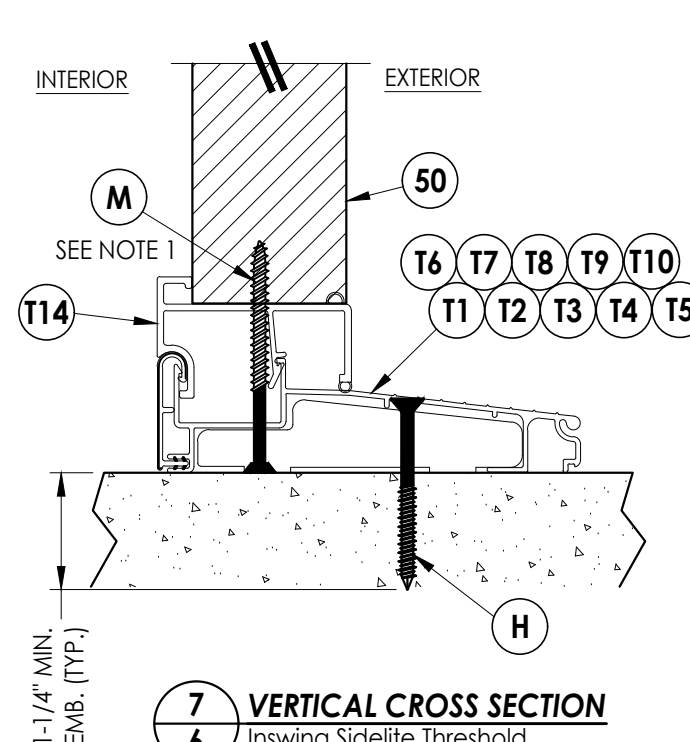


5 VERTICAL CROSS SECTION

6 Inswing Articulating Threshold



6 VERTICAL CROSS SECTION
 6 Outswing Bump Threshold



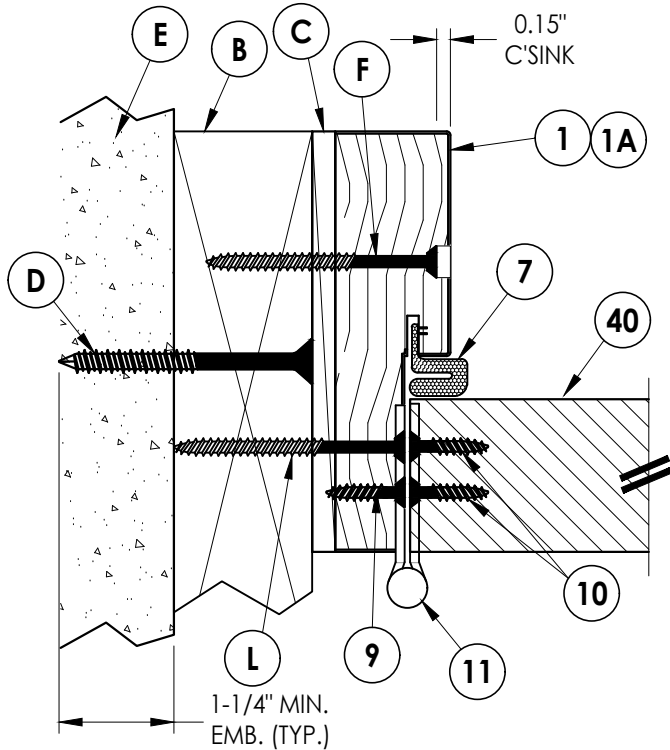
7 VERTICAL CROSS SECTION
6 Inswing Sidelite Threshold

NOTE:

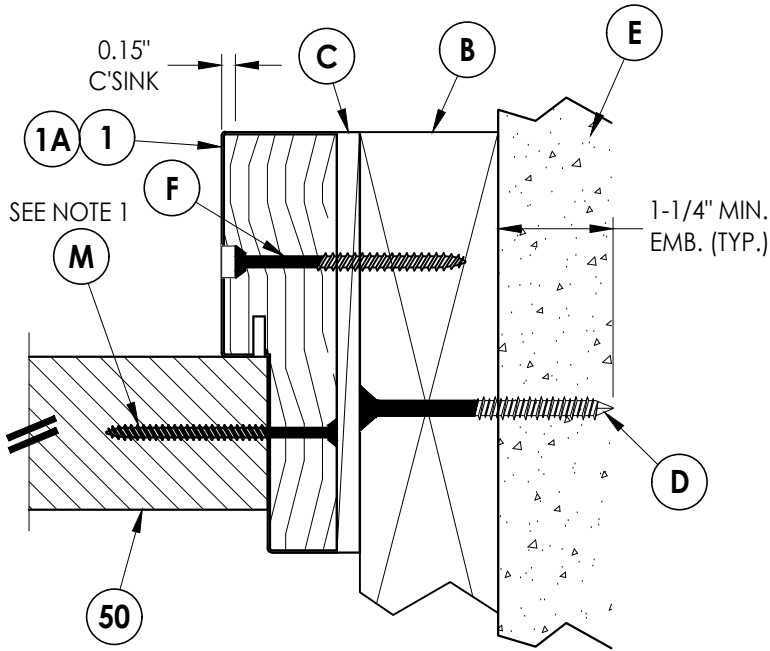
1. Spacing for sidelite screws (item M):
6" from each end (2 total).

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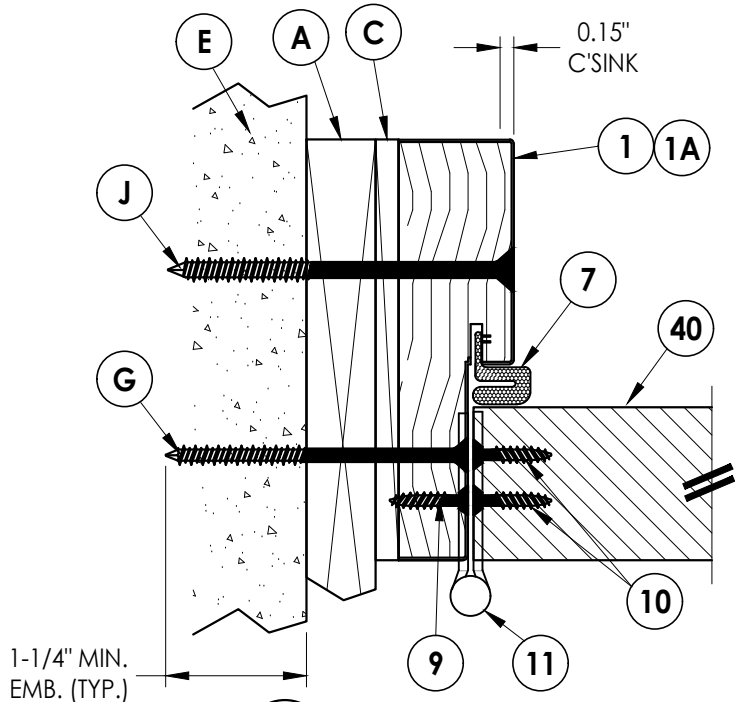


1 **HORIZONTAL CROSS SECTION**
7 Inswing shown (Outswing similar)
2X Buck Construction



2 **HORIZONTAL CROSS SECTION**
7 Inswing shown (Outswing similar)
2X Buck Construction

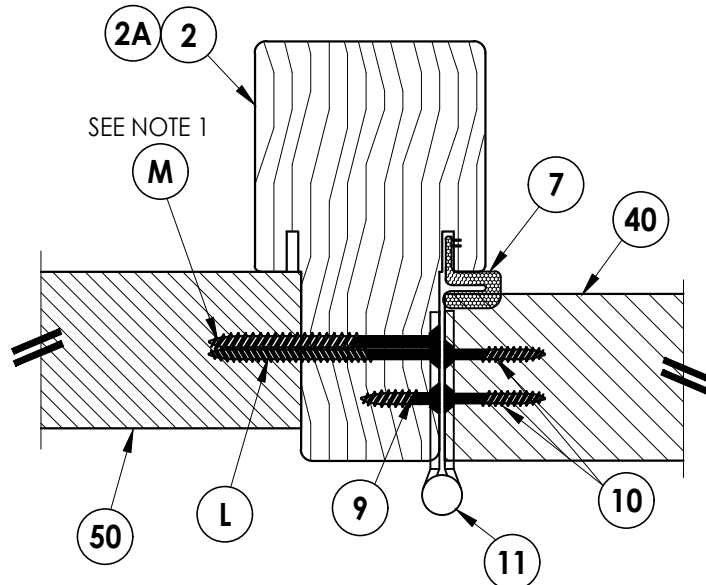
NOTE:
1. Spacing for sidelite screws (item M): 6.5", 38.5"
and 69" from head to sill (3 total).



3 **HORIZONTAL CROSS SECTION**
7 Inswing shown (Outswing similar)
1X Buck Construction

EXTERIOR

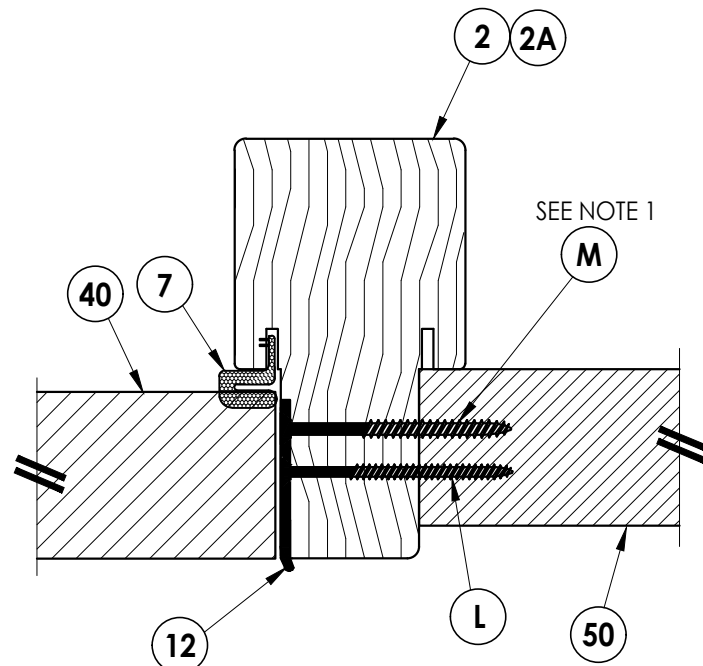
INTERIOR



4 **HORIZONTAL CROSS SECTION**
7 Inswing shown (Outswing similar)

EXTERIOR

INTERIOR



5 **HORIZONTAL CROSS SECTION**
7 Inswing shown (Outswing similar)

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: **ENDURA**

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS			
		DATE	BY	CHK	APP
4	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
3	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
2	8/06/20	UPDATE TO 7th ED. (2020)	FBC	DAC	
1	12/13/17	REVISE FRAME ANCHORING	LFS	BY	

DATE: 5/26/16

SCALE: N.T.S.

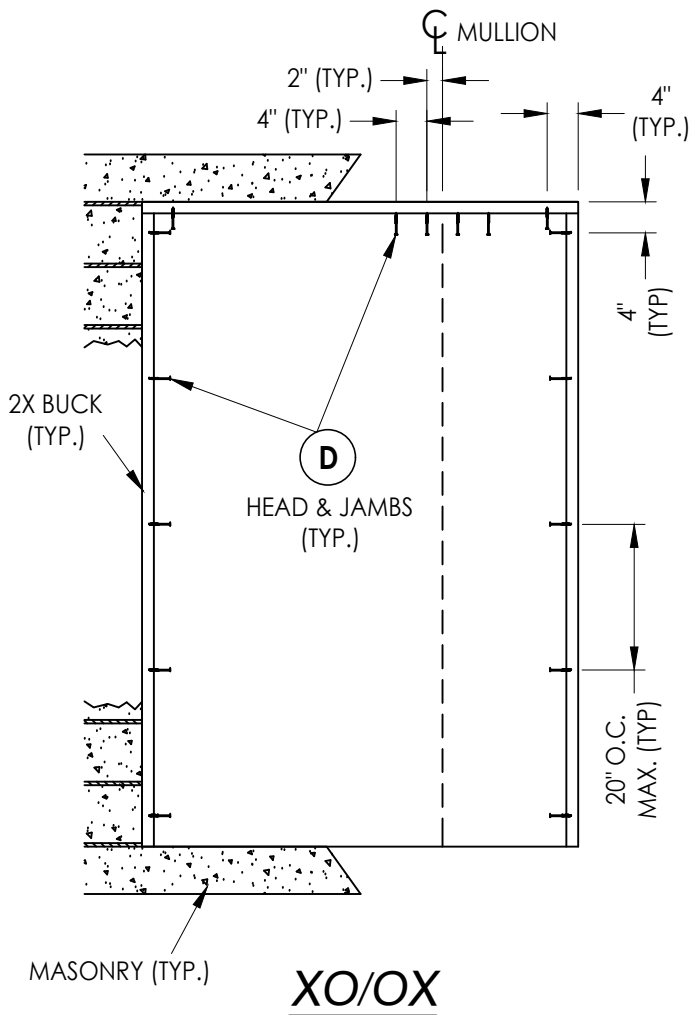
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CHK. BY: LFS

DRAWING NO.:

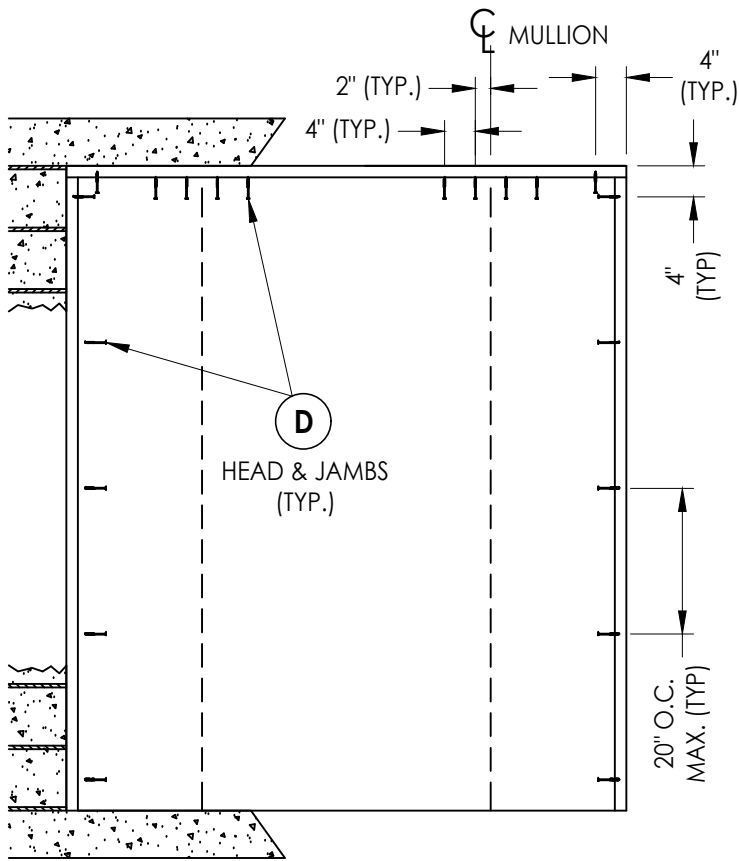
FL-20698.17

SHEET 7 OF 10



XO/OX

2X BUCK ANCHORING



OXO

NO.	DATE	REVISIONS
4	7/02/26	UPDATE TO 9TH ED. (2026) FBC LFS
3	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	8/06/20	UPDATE TO 7th ED. (2020) FBC DAC
1	12/13/17	REVISE FRAME ANCHORING LFS

DATE:	5/26/16
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-20698.17
SHEET	8 OF 10

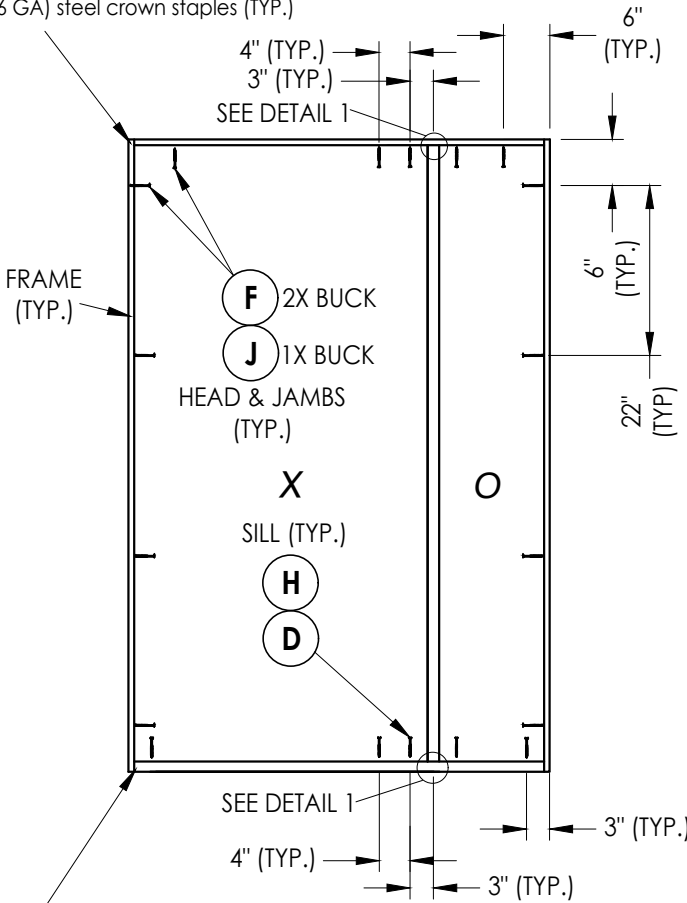
PRODUCT:	ENDURA
PART OR ASSEMBLY:	BUCK ANCHORING

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409


BUILDING CONSULTANTS, INC.
P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

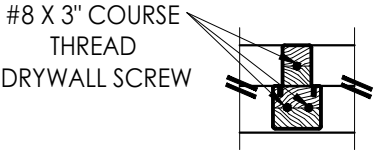
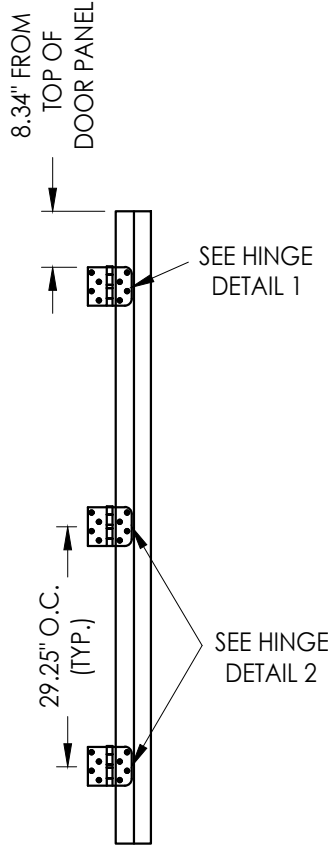
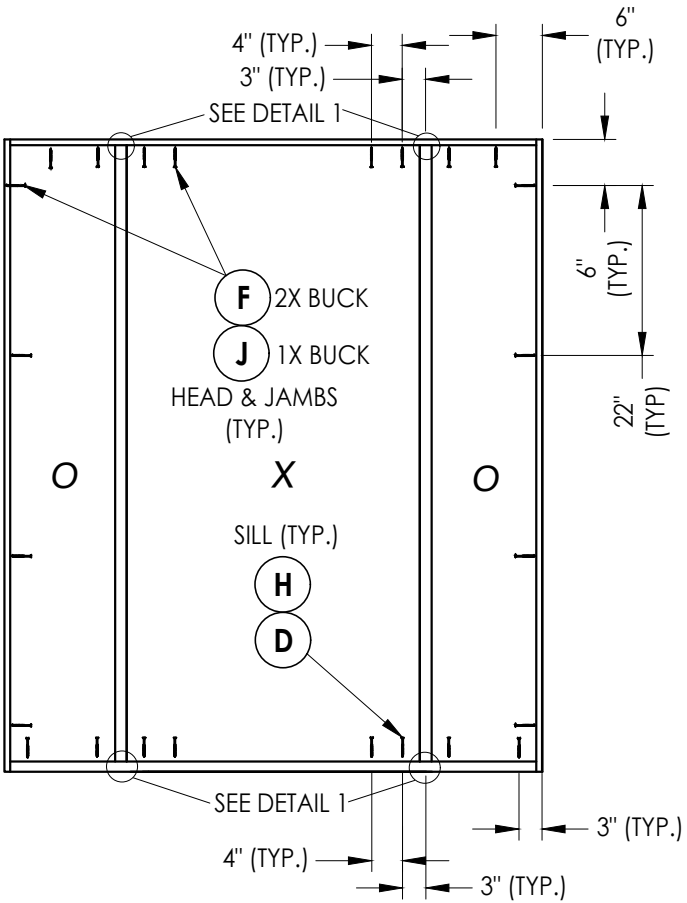
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The head is attached to the jamb w/ (3) 7/16" x 2" (16 GA) steel crown staples (TYP.)



The threshold is attached to the jamb w/ (3) 7/16" x 2" (16 GA) steel crown staples & (1) #8 x 1-5/8" wood screw (TYP.)

FRAME ANCHORING



DETAIL 1
Integral mullion attachment

CORROSION RESISTANCE - SALTWATER ENVIRONMENT

Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.

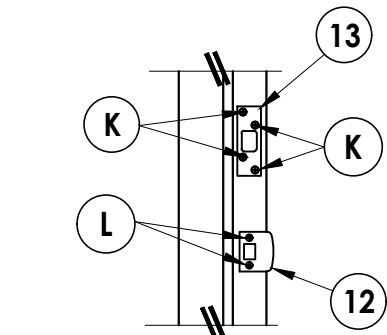
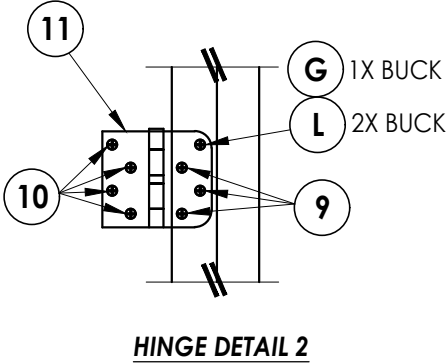
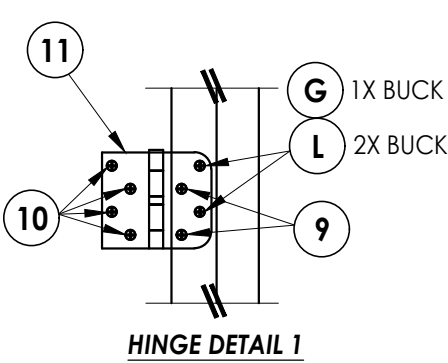
CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
- Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



LATCH & DEADBOLT STRIKE PLATE DETAILS

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: ENDURA

PART OR ASSEMBLY:
FRAME ANCHORING
& HARDWARE DETAILS

NO.	DATE	REVISIONS
4	7/02/26	UPDATE TO 9TH ED. (2026) FBC LFS
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1	12/13/17	REVISE FRAME ANCHORING LFS

DATE: 5/26/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-20698.17

SHEET 9 OF 10

